

S/162/62/000/005/007/007
D036/D113

AUTHORS: Nepechiy, P.D. and Vol'skiy, S.A.

TITLE: Protective coating of blank and ingot surfaces

PERIODICAL: Kuznechno-shtampovochnoye proizvodstvo, no. 5, 1962, 46-47

TEXT: A protective coating, to protect the surface of steel blanks and ingots from decarbonization and high scale formation caused by furnace gases in holding furnaces, was developed. The coating consists of the following: 77% soluble glass; 1% Al powder, and 22% magnesite powder (0.5 mm fractions). At 700-800°C the coating is transformed into a viscous mass. As the metal moves along the furnace floor, a solid skin forms on its surface and protects it from the penetration of gas furnace gases. A 1 mm thick layer should be used. Maximum scale thickness on coated blanks was 1.5 mm as compared with 3-4 mm on uncoated blanks. It is concluded that the coating can be used on high alloy steels.

Card 1/1

NEPECHYI, P.D.; VOL'SKIY, S.A.

Protective lubricants for blank and ingot surfaces. Kuz.-shtam.
proizv. 4 no.5:46-47 My '62. (MIRA 16:5)
(Metalworking lubricants)

NEPECHIIY, P.D.; VOL'SKIY, S.A.

New design of packing for rods in the cylinders of steam and
air hammers. Kuz.-shtam. proizv. 3 no.3:44 Mr '61. (MIRA 14:6)
(Forging machinery)
(Packing (Mechanical engineering))

VOL'SKIY, S. A.

32527. Tsinkolenko, B. P. Metod izgotovliniya rolikov diya bezalmaznoy provki
shlifoval'nykh krugov. Stanki-i-instrument, 1949, Nol 10, s. 17-18.

SO: Letopis' Zhurnal'nykh Statey Vol. 44

VOL'SKIY, S. A.

32526. Vol'skiy, S. A. Prispoboblaniya dlya besalmaznoy pravki shlifoval'nykh krugov. Stanki i instrument, 1949, No. 10, s. 18.

SO: Letopis' Zhurnal'nykh Statey Vol. 44

~~VOL'SKIY~~, S. A. AND I. V. KHARIN

Pnevmaticheskoe upravlenie friktsionnykh pressami. (Vestn. Mash., 1950, no. 5, p. 41-42)

Pneumatic control of friction presses.

DLC: TN4.V4

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

NEPECHIIY, P.D.; VOL'SKIY, S.A.

Ejecting device on straightening machines. Metallurg 8 no.5:30
My '63. (MIRA 16:7)

1. Dnepropetrovskiy staleplavil'nyy zavod vysokokachestvennykh
i spetsial'nykh staley.
(Straightening machines)

TSYBIN, V.S., kand.tekhn.nauk; VOL'SKIY, S.G., inzh.; BOGATYKH, Yu.T.,
inzh.

Automobile wheels made of glass-reinforced plastics. Izv. v/s.
ucheb.zav.; mashinostr. no.2:124-131 '64. (MIRA 17:5)

1. Moskovskaya vyssheye tekhnicheskoye uchilishche imeni Baumana.

VOL'SKII, T. I.

RT-1313 [Osteoplastic amputations and reamputations] Condensed from: Kostnoplasticheskie amputatsii i reamputatsii.
Khirurgiia, (6): 73-79, 1945.

VOL'SKIY, V.

Above the Caucasus ridge. Grazhd.av. 19 no.7:15 J1 '62.

(MIRA 15:8)

(Caucasus--Aeronautics, Commercial)

VOL'SKIY, Vitaliy [Vol'ski, Vitali]

Belovezhskaya Pushcha. Rab. i sial. 39 no.8:12-13 Ag '63.
(MIRA 16:9)

~~VOL'SKIY, V.; GORDON, Kh.~~

Wage and qualification manual for assembly-line machine building.
Sots.trud. no.11:83-86 N '56. (MIRA 10:1)
(Voronezh--Excavating machinery--Production standards) (Wages)

MARKOVICH, M.; KALOMFIRESKU, A.; VOL'SKIY, V.

Studies on first vaccination against poliomyelitis in Bucharest;
epidemiological effectiveness of Lepin's vaccine. Zhur.mikrobiol.
epid.i immun. 30 no.10:24-27 O '59. (MIRA 13:2)

1. Iz Instituta gigiyeny i sanitarno-epidemiologicheskoy stantsii g.
Bukharesta (Rumyniya).
(POLIOMYELITIS prev. & control.)
(VACCINATION)

VOL'SKIY, V.

Method for working out calendar plans for the review of production standards in serial machinery manufacturing. Sots.trud no.2:83-89
F '57. (MLRA 10:5)
(Machinery Industry--Production standards)

VOL'SHIY, V.

Are the work norm specialists responsible? Sots.trud. no.5:93-94
My '56. (MLRA 9:8)

(Production standards)

VOL'SKIY, V., zhurnalist (Riga)

Latvia is developing. Nauka i zhyttia 12 no.7:34-35 J1 '62.
(MIRA 16:1)
(Latvia—Economic conditions)

VOL'SKIY, V.; ABRAM, P.

Establishing consolidated norms for assembly work. Sots.trud 7
no.4:87-94 Ap '62. (MIRA 16:1)
(Machine-shop practice--Production standards)

VOL'SKIY, V.; GRIDCHIN, I.; YEMEL'YANOV, A.; RABAN, V.(Lutsk); VOLOSHINSKIY, V.
(Lutsk)

Exchange of news and experience. Izobr. i rats. no.7:18-19 JI '62.
(MIRA 16:3)

1. Sotrudnik zhurnala "Nauka i tekhnika", Riga (for Vol'skiy).
2. Otvetstvennyy sekretar' gazety "Put' Oktyabrya", Lugansk (for Gridchin).
3. Predsedatel' soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov, Orenburgskogo shelkokombinata (for Yemel'yanov).
(Technological innovations)

VOL'SKIY Vitali; MIKHAL'CHUK, S., redaktor; VARYENCHYK, V., mastatska-
tekhnichny redaktor

[Month after month; a White Russian nature calendar] Mesiatz za
mesiatsem; kaliendar belaruskai pryrody. Minsk, Dziarshaunae vyd-va
BSSR, 1956. 76 p. (MIRA 10:2)
(White Russia—Nature study)

VOL'SKIY, Vitaliy[Vol'ski, Vitali]

Women of Africa. Rab. 1 sial. 39 no.4:16-17 Ap '63.
(MIRA 16:4)

(Africa—Women)

TSOMAYA, S.V.; VOL'SKIY, V.F.

[Novyi Afon. Tbilisi, Sabchota Sakartvelo, 1958. 59 p.
(MIRA 14:11)

(AKHALI-AFONI—HEALTH RESORTS, WATERING PLACES, ETC.)

VOL'SKIY, V. G.

"Agrobiological Features of Corn Raising Under L'vovskaya Oblast Conditions." Cand Agr Sci, Belotserkov Agricultural Acad imeni K. A. Timiryazev, Moscow, 1955. (KL, No 8, Feb 55)

SO: Sum No. 631, 26 Aug 55-Survey of Scientific and Technical
Dissertations Defended at USSR Higher Educational Institutions
(14)

VOL'SKIY, Vasily Grigor'yevich

[Corn is a crop with great possibilities] Kukurudza - kultura velykykh
mozhyvostei. Lviv, Upravliniia sil'skoho hospodarstva, 1955. 34 p.
(Corn (Maize)) (MLRA 10:3)

M

Country : USSR
Category: Cultivated Plants. Grains.

Abs Jour: RZhBiol., No 11, 1958, No 48896

Author : Vol's'kiy, V.G.
Inst : Sci. Res. Inst. of Agriculture and Animal Husbandry
of the Western Districts of the Ukrainian SSR.
Title : Influence of the Root Bed on Corn Crop Formation.

Orig Pub: Inform. byul. Nauk.-dosl. in-t zemlerobstva i
tvorinnitstva zakhidn. rayoniv USSR, 1956, vyp. 1,
14-17

Abstract: No abstract.

Card : 1/1

KIYAK, G. S. [Kylak, H.S.]; VOL'SKIY, V.G. [Vol's'kiy, V.H.]

Effect of spacing on the formation of the corn crop. Pratsi Inst.
agrobiol. AN URSR 7:3-11 '57. (MIRA 11:7)
(Corn (Maize)) (Plants, Space arrangement of)

DYMOV, M.G. [Dymov, M.H.], otv.red.; BURAK, P.Yu., red.; VOL'SKIY,
V.G. [Vol's'kyi, V.H.], red.; ZDEORUK, I.A., red.; OVSIANNIKOV,
V.B., red.; TSITOVICH, O.Ye., red.; DEMCHUK, M., red.izd-vs;
MEDOVIZ, S., tekhred.

[They have golden hands; story of Lvov Province corn growers who
have exceeded the thousand centner mark] U nykh soloti ruky;
rozpovid' pro snatnykh kukurudzovodiv-tysiaschnykyv L'vivshchyny.
L'viv, Knyzhkovo-zhurnal'ne vyd-vo, 1958. 200 p.

(MIRA 14:1)

(Lvov Province--Corn (Maize))

VOL'SKIY, V., kand. sel'skokhozyaystvennykh nauk

Corn in the Western Ukraine. Nauka i pered. op v sel'khoz. 9 no.6:
12-16 Je '59. (MIRA 12:9)
(Ukraine, Western--Corn (Maize))

DOLINYUK, Yevgeniya Alekseyevna, dvazhdy Geroy Sotsialisticheskogo Truda;
VOL'SKIY, V.G., kand.sel'skokhoz.nauk, red.; KATSEK'SON, S.M.,
red.; ATROSHCHENKO, L.Ye., tekhn.red.

[Corn is a high-yield crop; practices of a field team on the
Stalin Collective Farm in the Mel'nitsa-Podol'skaya District,
Ternopol Province] Kukuruza - vysokourozhainaya kul'tura; opyt
sven'evoi kolkhoza imeni Stalina Mel'nitsa-Podol'skogo raiona
Ternopol'skoi oblasti. Pod obshchai red. V.G.Vol'skogo. Moskva,
Izd-vo "Znanie," 1960. 30 p. (Vsesoiuznoe obshchestvo po raspro-
straneniyu politicheskikh i nauchnykh znaniy. Ser.5, Sel'skoe
khoziaistvo, no.13). (MIRA 13:7)
(Mel'nitsa-Podol'skaya District---Corn (Maize))

VOL'SKIY, V.G. [Vol's'kyi, V.H.], otv. red.: YEVMINOV, V.M.
[IEvminov, V.M.], red.; IRVANETS', O.M., red.;
KIPARENKO, M.M. [Kyparenko, M.M.], red.; KOZAK, Ye.I.,
red.; MALUSHA, K.V., red.; NEMOVAN, I.N., red.;
OVSYANNIKOV, V.B., red.; PLETN'OVA, O.V., red.; SULIMA,
Ya.F., red. [Sulyma, I.A.F.], red.; FAVOROV, O.M., red.

[Recommendations for the chemicalization of agriculture in
Lvov Province] Rekomendatsii po khimizatsii sil'skoho hos-
podarstva L'vivshchyny. L'viv, Kameniar, 1964. 84 p.
(MIRA 17:9)

1. Naukovo-doslidnyy institut zemlerobstva i tvarynnytstva
zakhidnykh rayoniv URSR.

VOL'SKIY, V.G.[Vol's'kyi, V.G.], kand. sel'khoz. nauk, red.;
LENYI, G.B.[Ilyei, G.B.], red.; KATYKHA, K.A., red.

[Specialization of agriculture in Gligany District;
western forest-steppe] Spetsializatsiia sel'skoho hos-
podarstva v Hliriane'komu raioni; zachidnyi lirostep.
Kyiv, Derzhsil'hopvydav URSS, 1962. 159 p.

(AIRA 17:9)

1. Naukovo-doslidnyy instytut zemlerobstva i tvarynnytstva
zachidnykh rayoniv URSS.

USTINOV, A.M.; VOL'SKIY, V.K.

Effect of the amount of gas in a seam on the length and advancement of
the longwall. Nauch. trudy KNIUI no.16:134-140 '64. (MIRA 18:7)

VOL'SKIY, V.S., inzh.; MARKOVA, V.I., tekhnik; ZHMAKIN, D.F., inzh.;
GRINBERG, R.Ya., inzh., red.; SMIRNOVA, G.V., tekhn. red.

[General time norms used in the machinery industry for technical standardization of preparatory work on metal elements; small-lot and piece production] Obshch mashinostroitel'nye normativy vremeni dlia tekhnicheskogo normirovaniia zagotovitel'nykh rabot po metallokonstruktsiiam; melkoseriinoe i edinichnoe proizvodstvo. Moskva, Mashgiz, 1962. 102 p. (MIRA 15:12)

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(Machine-shop practice-- Production standards)

VOL'SKIY, V.S.

ALEKSEYEV, S.A.; ZHAKIN, D.F.; KEREKESH, V.V.; MALOV, A.N.;
MARTSINOVSKIY, P.L.; MOLOTOK, A.V.; NESMELOV, V.A.;
TEVEROVSKIY, P.A.; KHISIN, R.I.; DELITSIN, A.A., retsenzent;
SOKHNOVSKIY, M.A., retsenzent; STEFANOV, V.P., retsenzent;
STOROZHEV, M.V., retsenzent; TALANOV, P.I., retsenzent;
FAL'KEVICH, A.S., retsenzent; CHERNUSHEVICH, V.A., retsenzent;
KHISIN, R.I., red.; GAL'TSOV, A.D., red.; VOL'SKIY, V.S., red.;
STRUZHESTRAKH, Ye.I., red.; SEMENOVA, M.M., red. izd-va; MODEL',
B.I., tekhn. red.

[Manual for the establishment of norms in the machinery industry
in 4 volumes] Spravochnik normirovshchika-mashinostroitelia v
4 tomakh. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-
ry. Vol.3. [Establishing norms for founding, stamping, welding,
painting, metal plating, and woodwork] Normirovanie litsinykh,
kuznechnykh, shtampovochnykh, svarochnykh, lakokrasochnykh ra-
bot, metallopokrytii i derevoobrabotki. 1962. 671 p.
(MIRA 15:4)

(Machinery industry—Production standards)

VOLSKIY, V.S.

ALEKSEYEV, S.A.; ZHMAKIN, D.F.; KERKESH, V.V.; MALOV, A.N.;
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 TEVEROVSKIY, P.A.; KHISIN, R.I.; DELITSIN, A.A., retsenzent;
 SOKHNOVSKIY, M.A., retsenzent; STEFANOV, V.P., retsenzent;
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 FAL'KEVICH, A.S., retsenzent; CHERNUSHEVICH, V.A., retsenzent;
 KHISIN, R.I., red.; GAL'TSOV, A.D., red.; VOL'SKIY, V.S., red.;
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(MIRA 15:4)

(Machinery industry—Production standards)

VOL'SKIY, Vladimir-Stepanovich; GORDON, Rhein Itskovich; KHOKHLOV, V.S.,
inzh., retsenzent; TSEYTS, I.M., retsenzent; DESYATKOV, M.I.,
inzh., red.; DOBRITSINA, R., tekhn.red.

[Establishing enlarged norms for metal cutting; generalization
of the practice in establishing enlarged norms] Ukpupnennoe
tekhnicheskoe normirovanie stanochnykh rabot; obobshchenie
opyta razrabotki ukpupnennykh normativov. Moskva, Mashgiz,
1961. 206 p. (MIRA 14:12)

(Factory management) (Metal cutting)

VINNIK, L.M.; GRINBERG, R.Ya.; KAMINSKIY, Ya.A.; KLEPIKOV, V.D.; KUZNETSOV, A.M.; KUCHENEV, N.I.; STRUZHESTRAKH, Ye.I.; TISHIN, S.D.; KHARITONOV, A.B.; TSEYTS, I.E.; SHAPIRO, I.I.; SHAPIRO, M.Ya.; ANAN'YAN, V.A., retsenzent; VASIL'YEV, D.T., retsenzent; GORETSKAYA, Z.D., retsenzent; KARTSEV, S.P., retsenzent; KEDROV, S.M., retsenzent; KOMISSARZHEVSKAYA, V.N., retsenzent; KOPERBAKH, B.L., retsenzent; KORBOV, M.M., retsenzent; LEONOV, N.I., retsenzent; LUR'YE, G.B., retsenzent; NOVIKOV, V.F., retsenzent; GAL'TSOV, A.D., red.; VOL'SKIY, V.S., red.; KHISIN, R.I., red.; SEMENOVA, M.M., red. izd-va; MODEL', B.I., tekhn.red.

[Reference book for establishing norms in the manufacture of machinery; in 4 volumes] Spravochnik normirovshchikamashinostroitelia; v 4 tomakh. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry. Vol.2. [Establishing technical norms for operating machine tools] Tekhnicheskoe normirovanie stanochnykh rabot. Pod red. E.I.Struzhestrakha. 1961. 392 p.

(MIRA 14:8)

(Industrial management) (Machine tools)

SERGEYEV, A.V.; VOL'SKIY, V.S., inzhener, retsenzent; AKSARIN, D.I.
inzhener, ~~retsensent~~; GAL'TSOV, A.D., inzhener, redaktor;
SAKSAGANSKIY, T.D., redaktor; BOGOLYUBOVA, I.Yu., redaktor;
TIKHONOV, A.Ya., tekhnicheskiy redaktor.

[Technical norms in machine-shops] Tekhnicheskoe normirovanie v
mekhanicheskikh tsakhakh. Izd.2-e, perer. i dop.Moskva, Gos.
nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1955. 231 p.(MLBA 8:11)
(Machine-shop practice)

VOL'SKIY V.S., inghenier.

Consolidating time study units. Stroiki dor.mashinostr. 1 no.3:30-
34 Mr '56. (MIRA 10:1)

(Time study)

GAL'TSOV, A.D.; DENISYUK, I.N.; LEVANDOVSKIY, S.N.; LOSEV, A.G.; PEZIK, M.O.; PETROCHENKO, P.P.; SAVOS'KIN, N.M.; TRUBITSKIY, G.R.; KHISIN, R.I.; KHRAMILIN, V.A.; ALEKSEYEV, S.S., retsenzent; GAL'PERIN, L.I., retsenzent; GRANOVSKIY, Ye.N., retsenzent; ZAKHAROV, M.N., retsenzent; KVASHNIN, S.A., retsenzent; KERKESH, V.V., retsenzent; KOTENKO, I.N., retsenzent; LIVSHITS, I.M., retsenzent; LERNER, G.V., retsenzent; NEVSKIY, B.A., retsenzent; NOVIKOV, V.F., retsenzent; RAZAMAT, E.S., retsenzent; SERGEYEV, A.V., retsenzent; STEFANOV, V.P., retsenzent; TOLCHENOV, T.V., retsenzent; FEDOTOV, F.G., retsenzent; VOL'SKIY, V.S., red.; STRUZHESTRAKH, Ye.I., red.; USPENSKIY, Ya.K., red.; SEMENOVA, M.M., red.izd-va; MODEL', B.I., tekhn.red.

[Handbook for work-norm experts in machine manufacture] Spravochnik normirovshchika-mashinostroitelia v 4 tomakh. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry. Vol.1. [Fundamentals of technical normalization] Osnovy tekhnicheskogo normirovaniya. 1959. 676 p. (MIRA 12:12)

(Standardization)

VOL'SKIY, V.S.

MOLOTOK, A.V.; DMITRIYEV, A.I.; GORBATENKO, A.I.; SHAROYAN-SARINGULYAN, G.P.; MALAKHOV, P.Ye.; KRIVOUKHOV, V.A., doktor tekhn.nauk; red.; GRANOVSKIY, G.I., prof., doktor tekhn.nauk, red.; TRET'YAKOV, I.P., prof., doktor tekhn.nauk, red.; ALEKSEYEV, S.A., dotsent, red.; MALOV, A.N., dotsent, kand.tekhn.nauk, red.; SHAKHNAZAROV, M.M., dotsent, red.; VOL'SKIY, V.S., red.; GAL'TSOV, A.D., red.; KABANOV, M.Ya., red.; TOLCHENOV, T.V., red.; KHARITONOV, A.B., red.; KHISIN, R.I., red.; SHOR, M.I., red.; SEMENOVA, M.M., red. izd-va; EL'KIND, V.D., tekhn.red.

[Time norms in general machinery manufacturing for applying coats of lacquer; large, medium, and small scale production]
Obshchemashinostroitel'nye normativy vremeni na lakokrasochnye pokrytiia; krupnoseriinoe, seriinoe i melkoseriinoe proizvodstvo. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1959. 83 p. (MIRA 12:6)

1. Moscow. Nauchno-issledovatel'skiy institut truda. Tsentral'-noye byuro promyshlennykh normativov po trudu. 2. Rabotniki otdela trudovykh normativov Nauchno-issledovatel'skogo instituta traktore-sel'khozmashe (for Molotok, Dmitriyev, Gorbatenko, Sharoyan-Saringulyan, Malakhov).

(Painting, Industrial)

(Machinery industry)

BYKOV, Boris Vladimirovich, ekonomist; VOL'SKIY, V.S., inzhener; KOVALEV, F., inzhener, laureat Stalinskoy premii.

[Generalization and comprehensive introduction of Stakhanovite practice; initiative of innovators of the Sverdlovsk Order of the Red Banner of Labor "Pnevmostroimashina" named after Ordzhonikidze] Oboshchenie i kompleksnoe vnedrenie stakhanovskogo opyta; pochin novatorov Sverdlovskogo ordena trudovogo krasnogo znameni zavoda "Pnevmostroimashina" im. Ordzhonikidze. [Sostaviteli: B.V.Bykov i V.S.Vol'skii] Moskva, Gos.nauchno-tekhn.izd-vo mashinostroitel'ny, 1953. 46 p. (MLHA 6:7)

1. Sverdlovskiy Ordena trudovogo krasnogo znameni zavod "Pnevmostroimashina" imeni Ordzhonikidze. (Building machinery industry)

KOCHETKOV, Georgiy Dmitriyevich,; ORUN, L.M., inzh., ratsenent,; VOL'SKIY,
V.S., inzh., red.; BARYKOVA, G.I., red. izd-va,; GERASIMOVA, Ye.S.,
tekhn. red.

[Experience in high-output grinding; cylindrical grinding in a
tool section] Opyt vysokoproizvoditel'nogo shlifovaniia; krugloe
shlifovanie v instrumental'nom tsakhe. [Moskva] Gos. nauchno-tekhn.
izd-vo mashinostroit lit-ry, 1958. 36 p. (MIRA 11:10)
(Grinding and polishing)

VELICHY, V S

Tokar'-okorotalk oboshcheie opit to-arei-novatorov (High-speed metal-turner; Generalizing of turner-innovators practice, By) V. S. Velichy, Kh. I. Voron, and I. P. Solodov, Moscow, Mashchigis, 1953.
135 p. diagrs., tables.

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SOLODOV, I. P., ENG., VOLOSKII, V. S., ENG.

Turning

Introducing everywhere high speed lathe work in assembly line machine construction. Vest. mash. 32 No. 2 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. Unclassified.

DERYABINA, V.I.; inzh.; MOROZOV, D.A.; TSARITSENKO, N.I.; STROCHILIN,
F.A.; VOL'SKIY, V.S., inzh.; VLADIMIROVA, L.A., tekhn.
red.

[General time norms used in the machinery industry for
technical standardization of free hammer forging proces-
ses; small lot and piece production] Obshchemashino-
stroitel'nye normativy vremeni dlia tekhnicheskogo normi-
rovaniia rabot po svobodnoi kovke pod molotami; melko-
seriinoe i edinichnoe proizvodstvo. Moskva, Mashgiz, 1962.
107 p. (MIRA 15:7)

1. Moscow. Tsentral'noye byuro promyshlennykh normativov po
trudu. 2. Vsesoyuznyy proyektno-tekhnologicheskii institut
tyazhelogo mashinostroyeniya (for Deryabina, Morozov,
TSaritsenko, Strochilin, Vol'skiy). 3. Nachal'nik otdela
tekhnicheskikh normativov po trudu Nauchno-issledovatel'-
skogo instituta truda (for Vol'skiy).
(Forging--Production standards)

SEMINSKIY, V.K.; VOL'SKIY, V.S., inzh., red.

[Increasing labor productivity in machining on lathes]
Povyshenie proizvoditel'nosti truda pri rabote na to-
karnykh stankakh. Izd.2., perer. i dop. Moskva, Ma-
shinostroenie, 1965. 102 p. (MIRA 18:2)

VOL'SKIY, V.V.

Postwar aggravation of the Anglo-American fight for oil and the shifts in the geography of the petroleum industry of capitalist countries. Vop.
geog. vol.29:126-162 '52. (MLBA 6:7)
(Petroleum industry)

VOL'SKIY, V.V.
PRATT, Wallace Everett; GOOD, D.; BOROVIK, L.Ya.[translator]; MIKHAYLOVA, V.P.,
[translator]; VOL'SKIY, V.V., red.; LEVINSON, V.G., red. geolog. chast'.
VOL'SKIY, V.V.

[Geography of petroleum] Geografiya nef'ti. Sokrashchennyi
perevod s angliyskogo L.Ya.Borovika i V.P.Mikhaylova. Red. i
predisl. V.V.Vol'skogo. Red. geologicheskoy chast'i V.G.Levinsona.
Moskva, Izd-vo inostrannoy lit-ry, 1954. 288 p. (MIRA 11:1)
(Petroleum)

VOL'SKIY, Viktor Votlavovich; GLINKIN, Anatoliy Nikolayevich; LAURENT'YEVA,
Ye.V., redaktor; NOGINA, N.I., tekhnicheskiiy redaktor.

[Brazil] Brasiliia. Moskva, Gos. izd-vo geogr. lit-ry. 1956. 87 p.
(Brazil--Geography) (MLBA 9:5)

~~VOLOSKIY, N. M.~~ BRUCHINER, R. Ye.; BILEN'KIY, A. B., redaktor; VILE ISKAY...
E. B., tekhnicheskii redaktor

[Venezuela, Colombia, Ecuador, Guayana] Venezuela, Kolombiya,
Ekvador, Gviana. Moskva. Gos. izd-vo geogr. lit-ry, 1957. 31 p.
(South America) (MLRA 10:10)

VOL'SKIY, N.; DOLININ, A.; VOLKOV, A.; TIKHOMIROV, V.P., otvetstvennyy red.;
CHIZHOV, N.N., red.; VILENSKAYA, N.N., tekhn. red.

[Brazil, Bolivia, Paraguay, Uruguay] Brazilia, Bolivia, Paragvai,
Urugvai. Moskva, Gos. izd-vo geogr. lit-ry, 1958. 31 p.
(Brazil) (Bolivia) (Paraguay) (Uruguay) (MIRA 11:7)

VOL'SKIY, V.V.

Cuban scientist and honorary doctor of geographical sciences
of Moscow University. Vest.Mosk. un. Ser. 5: Geog. 15 no.4:65-66
Л - Ag '60. (MIRA 13:9)

(Núñez Jiménez, Antonio)

VOL'SKIY, V.V.

Present-day status and projects for utilizing water power resources in southeastern Brazil. Vest.Mosk. un. Ser. 5: Geog. 17 no.1:20-26 Ja-F '62. (MIRA 16:7)

1. Kafedra ekonomicheskoy i politicheskoy geografii kapitalisticheskikh i slaborasvitykh stran Moskovskogo universiteta.
(Brazil--Hydroelectric power)

VOL'SKIY, V.V.

Several problems in the theory and practice of economic geography.
Vest. Mosk. un. Ser. 5: Geog. 18 no.4:14-24 J1-Ag '63.

(MIRA 17:2)

1. Kafedra ekonomicheskoy i politicheskoy geografii kapitalisticheskikh i slaborazvitykh stran Moskovskogo universiteta.

VOI'SKIY, V.V.

Economic and geographical problems of developing the power resources
of Brazil. Vop. geog. no.64:131-159 '64. (MIRA 17:10)

1. Moskovskiy gosudarstvennyy universitet, geograficheskiy fakul'-
tet.

L 17851-66 EWA(h)/EEC(k)-2/EWT(1)

ACC NR: AP6004555

(A)

SOURCE CODE: UR/0103/66/000/001/0119/0132

AUTHOR: Vol'skiy, V. Ye. (Leningrad)

ORG: None

36
B

TITLE: Design of relay circuits using the standard USEPPA device

SOURCE: Avtomatika i telemekhanika, no. 1, 1966, 119-132

TOPIC TAGS: pneumatic control, mechanical relay

ABSTRACT: The author investigates methods of designing pneumatic relay systems using the standard USEPPA device (T. K. Berends, A. A. Tagayevskaya, A. A. Tal', Sb. "Pnevmo- i gidroavtomatika", Izd-vo "Nauka", 1964) constructed from single-output three-membrane relays shown in Fig. 1. The representation of the Boolean function in the form of a superposition of the operators of the circuit is achieved by additional transformations based on the cascade approach (G. N. Povarov, Avtomatika i telemekhanika, t. XVIII, No. 2, 1957). The author presents pneumatic relay operators for various possible connection combinations, outlines the properties of the cascade method expansion functions, reduces the various operators to a standard form, and describes the steps for the establishments of schemes. Three examples of Boolean function realization are derived. The proposed method
Card 1/2

UDC: 62-525

2

L 17851-66

ACC NR: AP6004555

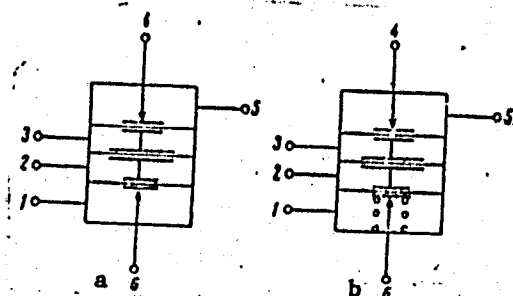


Fig. 1. Three membrane relays.

Connecting pipes 2 and 3 serve as inputs. Pipes 1, 4, 5, and 6 in appropriate combinations join to form the single output.

can be also used for equivalent circuit transformations. Orig. art. has: 86 formulas, 7 figures, and 2 tables.

SUB CODE: 13 / SUBM DATE: 21Dec64 / ORIG REF: 003 / OTH REF: 001

Card 2/2 nst

VOL'SKIY, V.Ye. (Leningrad)

Method for constructing matrices of state of intermediate
elements in the synthesis of multicycle switching systems.
Avtom. 1 telem. 26 no.3:551-555 Mr '65.

(MIRA 18:6)

VOL'SKIY, V.Ye., Izv.

Pneumatic relay technique in overall automation systems of marine
gas turbine and combined power plants. Sudostroenie 31 no.4:25-29
Ap '65. (MIRA 18:8)

VOL'SKIY, Ye.P.

Studying the Fermi surface of aluminum by the method of quantum oscillations of high-frequency surface resistance. Zhur. eksper. i teor. fiz. 46 no.1:123-133 Ja'64. (MIRA 17:2)

1. Institut fizicheskikh problem AN SSSR.

247700

S/056/62/043/003/061/063
B104/B102

AUTHOR: Vol'skiy, Ye. P.

TITLE: The quantum oscillations of the quasistatic conductivity of bismuth in a magnetic field

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 43, no. 3(9), 1962, 1120-1122

TEXT: These oscillations (3 Mcps) of $\sigma_T \ll 1$ were studied at 1.7°K in magnetic fields of 0.8-8 koe, by a generator method (Fig. 1) frequently used in nuclear magnetic resonance investigations. A bismuth crystal was arranged as shown in Fig. 1. The magnetic field was modulated with 80 cps. The oscillations were measured with various directions between magnetic field and base plane. The results were compared with a three-ellipsoid Fermi surface model proposed by D. Shoenberg (Progr. in Low Temperature Physics, ed. by C. J. Gorter, 2, 1957). They prove the correctness of the proposed model and are consistent with measurements at 10^{10} cps. There are 3 figures.

Card 1/2

The quantum oscillations of the...

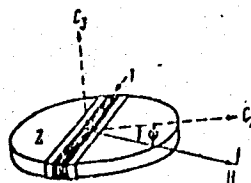
S/056/62/043/003/061/063
B104/B102

ASSOCIATION: Institut fizicheskikh problem Akademii nauk SSSR (Institute
of Physical Problems of the Academy of Sciences USSR)

SUBMITTED: July 11, 1962

Fig. 1. Directions of specimen,
of h.f.-current and of magnetic field.

Legend: (1) induction of generator
circuit, (2) bismuth single crystal.



Card 2/2.

VOL'SKIY, Ye.P.

Quantum oscillations of the quasi-static conductivity of bismuth
in a magnetic field. Zhur. eksp. i teor. fiz. 43 no.3:1120-1122 '62.
(MIRA 15:10)

1. Institut fizicheskikh problem AN SSSR.
(Bismuth) (Quantum theory) (Magnetic fields)

ACCESSION NR: AP4012531

S/0056/64/046/001/0123/0133

AUTHOR: Vol'skiy, Ye. P.

TITLE: Investigation of the Fermi surface of aluminum by the method of the quantum oscillations of the high frequency surface resistance

SOURCE: Zhurnal eksper. i teoret. fiz., v. 46, no. 1, 1964, 123-133

TOPIC TAGS: aluminum, Fermi surface, nuclear magnetic resonance, surface resistance, high frequency surface resistance, quantum oscillation, surface resistance quantum oscillation, nuclear magnetic resonance spectrometer

ABSTRACT: In order to draw more definite conclusions on the Fermi surface of aluminum, quantum oscillations of the surface resistance of single-crystal aluminum were investigated with a nuclear magnetic resonance spectrometer at 5 Mc/sec in fields up to 12 kG and a temperature 1.6K. Long-period and short-period oscillations are ob-

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ACCESSION NR: AP4012531

served. Measurements of the periods of the oscillations as functions of the reciprocal field yielded the anisotropy of the extremal Fermi-surface cross sections in the (100) and (110) planes for various field directions. Several characteristic features of the shape of the Fermi surface of aluminum follow directly from the obtained results. A complete analysis of the experimental results indicates agreement with the model of N. W. Ashcroft (Phys. Lett. v. 4, 202, 1963) of the Fermi surface of aluminum in zone III. "The author is grateful to P. L. Kapitsa and A. S. Borovik-Romanov for interest in the work, to M. S. Khaykin and R. T. Mina for great help and a discussion of the results, and to Dr. Ashcroft for his particularly valuable private communication." Orig. art. has: 8 figures and 4 formulas.

ASSOCIATION: Institut fizicheskikh problem AN SSSR (Institute of Physics Problems AN SSSR)

Card 2/32

ACCESSION NR: AP4042564

S/0056/64/046/006/2035/2041

AUTHOR: Vol'skiy, Ye. P.

TITLE: Quantum oscillations of the quasistatic conductivity of bismuth in a magnetic field

SOURCE: Zh. eksper. i teor. fiz., v. 46, no. 6, 1964, 2035-2041

TOPIC TAGS: bismuth, quantum statistics, conduction band, Fermi surface, hole conduction

ABSTRACT: Elaborating on a preliminary study of the quantum oscillations of the quasistatic conductivity of bismuth in a magnetic field (ZhETF v. 43, 1120, 1962), the author reports a further detailed study of the anisotropy of the extremal cross sections and of certain features of oscillations, both for the electron and hole parts of the Fermi surface of bismuth. The quantum oscillations of the Shubnikov--deHaas type were investigated in bismuth single crystals

Card 1/3

ACCESSION NR: AP4042564

at 1.6K in 5 Mc fields up to 12.5 kG, using an experimental technique described in the earlier paper (see also ZhETF v. 46, 123, 1964). The fact that the relative amplitude of the oscillations corresponding to different portions of the Fermi surface changes with the directions of the linear high-frequency currents in the sample yielded curves that were easy to interpret. A study of the hole oscillations showed that their period depends on the magnetic field intensity, and that a sharp reduction of the oscillation amplitude occurs for certain directions of the magnetic field. "In conclusion the author thanks M. S. Khaykin and V. S. Edel'man for the bismuth sample and for discussing the results, and also A. A. Abrikosov, L. A. Fal'kovskiy, and R. T. Mina for valuable discussions." Orig. art. has: 7 figures.

ASSOCIATION: Institut fizicheskikh problem Akademii nauk SSSR
(Institute of Physics Problems, Academy of Sciences SSSR)

Card 2/3

ACCESSION NR: AP4042564

SUBMITTED: 23Jan64

DATE ACQ:

ENCL: 00

SUB CODE: NP, SS

NR REF SOV: 005

OTHER: 003

Cards 3/3

VOL'SKIY, Ye.P.

Quantum oscillations of the quasi-static conductivity of bismuth in a magnetic field. Zhur. eksp. i teor. fiz. 46 no. 6: 2035-2041 Je '64.

1. Institut fizicheskikh problem AN SSSR.

(NINA 17:10)

VOL'SKIY, Ye.V., kand.tekhn.nauk; POROKHIN, A.A., kand.tekhn.nauk

Applying the results of the research of the All-Union
Scientific Research Institute of the Plywood Industry
in production. Der.prom. 14 no.11:27-29 N '65.

(MIRA 18:11)

VOL'SKIY, Ye.V.; POROKHIN, A.A.

Semiautomatic production line in the section peeling-clipping-lay
up of veneer sheets. Der.prom. 11 no.11:17-19 N '62.

(MIRA 15:12)

(Veneers and veneering) (Assembly-line methods)

VOL'SKIY, Ye. V., inzh.

Grinding cutting tools used in plowing curled veneer sheets. Der.
prom. 7 no.3;7-8 Mr '58. (MIRA 11:4)

1.TSentral'nyy nauchno-issledovatel'skiy institut fanery i mebeli.
(Grinding and polishing)

VOL'SKIY, Ye.V., inzh.

Manufacturing peeled corrugated veneer. Trudy TSNIIFM 1:30-53
'60. (MIRA 16:5)

(Veneers and veneering)

VOL'SKII, Z.

VOL'SKII, Z. Vsia Sibir'. Spravochnaia kniga po vsem otrasliam kul'turnoi i torg.-promyshl. zhizni Sibiri. Izd. I. S.-Peterburg, Izd. pri Pervom S.-Peterburg-skom adresnom dielie, 1908. 582 p.

DLC: UNclass.

So: LC, Soviet Geography, Part II, 1951/Unclassified.

VOL'SKII, Z.

VOL'SKII, Z. Vsiia Sibir'. Spravochnaia kniga po vsem otrasliam kul'turnoi i torg.-
promyshl. zhizni Sibiri. Izd. I. S.-Peterburg, Izd. pri Pervom S.-Peterburgskom
adresnom dielie, 1908. 582 p.

DLC: Unclass.

SO: IC, Soviet Geography, Part II, 1951/Unclassified

VOLSKOV, A.A. (Sverdlovsk)

In the Commission for the History of Technology at the Presidium
of the Ural Branch of the Academy of Sciences of the U.S.S.R.
Vop. ist. est. i tekhn. no.6:224-226 '59. (MIRA 12:6)
(Ural Mountain region--Technology)

USSR/Chemistry - Synthesis Quinuclidine

Jul 49

"Synthesis of Quinuclidine (I)," M. V. Rukhtsov, V. A. Volskova, All-Union
Sci Res Chemicophar Inst imeni Ordzhonikidze, Moscow, 3 3/4 pp

"Zhur Obshch Khim" Vol XIX, No 7

Describes synthesis of I, starting with beta-(piperidyl-(4))-propionic
acid and progressing through intermediate stages over corresponding
N-benzoyl derivative and beta-(N-benzoyl-piperidyl-(4))-ethylbromide.
Submitted 17 Mar 47.

PA 2/5CT67

VOLSKOVA, V. A.

Synthesis of (5-ethyl-2-quinuclidinyl)(2-pyridyl)carbinol. V. M. V. Rybitsov and V. A. Volskova (S. Ordzhonikidze All-Union Sci. Research Chem. Inst., Moscow). *Zhur. Obshch. Khim.* 27, 1035-8 (1953); *Ch. C.A.* 41, 7634. To 2.4 g. Na in 4.8 g. abs. EtOH in Et₂O was added 15 g. Et picolinate and 17 g. Et N-benzoylhomocincholinate, the Et₂O removed by heating to 80°, the mixt. stirred 4 hrs. at 80°, cooled, quenched in H₂O, extd. with Et₂O, and the aq. layer neutralized with H₂SO₄, and again extd. with Et₂O, yielding 55.1% red oily 2-(3-ethyl-1-benzoyl-4-piperidyl)-1-carboethoxyethyl 2-pyridyl ketone, which without purification was refluxed 4 hrs. with 10 parts 17% HCl, the product washed with Et₂O, made alk. with 50% KOH, and extd. with Et₂O, yielding 5.88 g. crude 2-(3-ethyl-4-piperidyl)ethyl 2-pyridyl ketone; this treated in 10 ml. abs. EtOH with 1.05 g. (CO₂H), in 5 ml. abs. EtOH and dild. with 125 ml. dry Me₂CO yielded a ppt. of the pure ketone oxalate, (C₁₇H₂₁ON₂)C₂H₄O₄, m. 175.5-7.0° (from EtOH), in 44.0% yield. The oily free base (2.60 g.) in 10 ml. 48% HBr treated at 60° with 1.74 g. Br in 9 ml. 48% HBr, the mixt. stirred 20 min. at 80°, evapd. in vacuo, the residue treated with 12.2 g. NaHCO₃ in 60 ml. H₂O and 60 ml. CHCl₃, shaken 2 hrs., the aq. layer extd. with CHCl₃, and the combined CHCl₃ soln. evapd. gave 65% 5-ethyl-2-quinuclidinyl 2-pyridyl ketone, b.p. 155-6°, [α]_D²⁵ 75.2° (EtOH) immediately, [α]_D²⁵ 76.7° (EtOH) after 24 hrs. The ketone (2.47 g.) in 20.2 ml. N HCl shaken with 10 ml. 2% PdCl₂ soln. until the orange ppt. dissolved and the mixt. hydrogenated at a slight H pressure and room

temp. yielded 2.28 g. corresponding carbinol, b.p. 125-127°, [α]_D²⁵ 70.8° (in EtOH). Attempts to sep. the expected 1 stereoisomers through the tartrates or camphor sulfonates were unsuccessful. Boiling with dild. AcOH cleaved the quinuclidinyl ring, yielding 2-(3-ethyl-4-piperidyl)ethyl 2-pyridyl ketone. The carbinol was inactive against avian malaria. Synthesis of (2-quinuclidinyl) 2-pyridylcarbinol. VI. *Ibid.* 1684-91. To EtONa from 1.25 g. Na and 2.5 g. EtOH suspended in Et₂O was added 7.5 g. Et picolinate and 8.5 g. Et 3-(1-benzoyl-4-piperidyl)propionate, the Et₂O distilled, the mixt. heated 4 hrs. at 80°, dild. with C₆H₆, cooled, shaken with cold H₂O, the aq. layer washed with Et₂O, and treated with 10% H₂SO₄ until neutral; extn. with Et₂O gave 57.6% crude 2-(1-benzoyl-4-piperidyl)-2-carboethoxyethyl 2-pyridyl ketone, which, refluxed 4 hrs. with 10 parts 17% HCl, was cleaved to 75.6% 2-(1-piperidyl)ethyl 2-pyridyl ketone, an oil; mono-HCl salt, m. 183.5-4.5° (crude), m. 189.5-90.0° (from EtOH-Me₂CO). The HCl salt (2 g.) in 7.5 ml. 48% HBr treated at 50° with 1.25 g. Br in 9 ml. 48% HBr, the mixt. heated 15 min. to 80°, evapd. in vacuo, and the residue rubbed with abs. EtOH and dild. with dry Me₂CO gave 84.6% yellow 2-(1-piperidyl)-1-bromoethyl 2-pyridyl ketone, 2.95 g. di-HBr salt, decomp. 170-1°, treated in CHCl₃ with 3.1 g. NaHCO₃ in 45 ml. H₂O and shaken 2.5 hrs. gave 63.7% 2-quinuclidinyl 2-pyridyl ketone, m. 71.5-3.0° (from petr. ether), hydrogenated over Pd in N HCl to mixed diastereoisomeric racemates of (2-quinuclidinyl) (2-pyridyl)carbinol, m. 69-84°. After conversion to the mono-HCl salts in alc. HCl, a sepn. was accomplished by fractional crystn. from EtOH. The less sol. isomer of the HCl salt, m. 232-3° (from abs. EtOH), gave the free carbinol, m. 118-19° (from petr. ether), which yielded a very hygroscopic di-HCl salt. The mother liquor after sepn. of this isomer gave the HCl salt, m. 175-7°, of the 2nd racemate, whose free base carbinol, m. 89-2°. Both

M.V. Rubtsov

2/2

Isomers suffer cleavage of the quinucridinyl ring in hot aq. AcOH; both were inactive against *Plasmodium relictum*. (2-Quinucridinyl)(1-naphthyl)carbinol, VII. *Ibid.* 1893-6.— To 1.23 g. VII in 2.46 g. EtOH, suspended in Et₂O, was added 10 g. Et 1-naphthoate, the mixt. heated to 100° with distn. of Et₂O, 3.6 g. Et β-(N-benzoyl-4-piperidyl)-propionate added, the mixt. heated 19 hrs. at 100°, cooled to 70°, dild. with 50 ml. C₆H₆, and allowed to cool with stirring. The cooled mixt. was treated with 200 ml. ice H₂O, the aq. layer washed with Et₂O, neutralized with H₂SO₄, and extd. with CHCl₃, to yield 3.2 g. β-(N-benzoyl-4-piperidyl)-α-carbethoxyethyl 1-naphthyl ketone, which was refluxed 3 hrs. with 20 parts 1:1 EtOH-concd. HCl, yielding 13.3% β-(4-piperidyl)ethyl 1-naphthyl ketone, a yellow oil; *HCl* salt, m. 173.5-5.0° (from abs. EtOH). This (1.97 g.) in 12 ml. 48% HBr at 70° was treated over 10 min. with 1.03 g. Br in 10 ml. 48% HBr and heated 25 min. at 80°. On cooling there was obtained 88.4% β-(4-piperidyl)-α-bromoethyl 1-naphthyl ketone-HBr, m. 189-90°. This (2.3 g.) in CHCl₃ was shaken 2.5 hrs. with 2.5 g. NaHCO₃ in 30 ml. H₂O, yielding 60% 3-quinucridinyl 1-naphthyl ketone, m. 98.5-100° (from petr. ether); *HCl* salt, m. 240-7° (from H₂O). This (1.62 g.) hydrogenated over Pd in dil. aq. HCl gave 0.37 g. 2-quinucridinyl-1-naphthylcarbinol, m. 200-1°; *HCl* salt, m. 203.3-5.5°; the less sol. material, racemate A, is sparingly sol. in Et₂O. The ethereal mother liquor on further evapn. gave 1.08 g. oil, which treated with HCl, gave 0.92 g. *HCl* salt, m. 207.5-6° (from EtOH-Me₂CO), of the other racemate, racemate B, the free base of which m. 63-5°. The diastereoisomeric racemates A and B are unchanged after refluxing in AcOH (50%), in which respect they differ from the quinine alkaloids. Both racemates are inactive against avian malaria. O, M, I, and T.

RUBTSOV, M.V.; VOISKOVA, V.A.

Synthesis of [quinoxalidyl-(2)]-[pyridyl-(2)]-carbinol; part 6. *Zhur.ob.khim.*
23 no.10:1688-1691 0 '53. (MIRA 6:11)

1. Vsesoyuznyy Nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut
im. S.Ordzhonikidze, Moscow. (Carbinols)

RUBTSOV, M.V.; VOLSKOVA, V.A.

[Quinclidyl-2]-[naphthyl-1]-carbinol; part 7. Zhur.ob.Khiz. 23 no.11:
1893-1896 N '53. (MIRA 6:11)

1. Vsesoyuznyy Nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut
im. S.Ordzhonikidze. (Carbinol)

Vol 5 K 617 177
MAGIDSON, O.Yu.; VOLSKOVA, V.A.

Chloridine. Med.prom. 11 no.12:13-17 D '57.

(MIRA 11:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut imeni S.Ordshonikidze.
(PYRIMIDINE)

MAGIDSON, O.Yu.; VOLSKOVA, V.A.; FEDOSOVA, V.M., [deceased]

Alkamine esters of α, ω -diphenylalkylcarboxylic acids.
Part 3: Derivatives of β -phenyl- α -(η -methoxyphenyl)
propionic, α, β -diphenylpropionic, and α, γ -diphenyl-
butyric acids. Zhur.ob.khim. 30 no.6:1860-1866 J. '60.
(MIRA 13:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevti-
cheskiy institut imeni S. Ordzhonikidze.
(Propionic acid) (Butyric acid)

VOL'SKIY, Vasil'y Grigor'yevich.

[What the practices of leading corn growers of Lvov Province during 1955 have shown] Shcho pokazav dosvid roboty peredovykiv kukurudzosiannia na L'vivshchyni v 1955 rotsi. L'viv, 1956. 35 p.
(Lvov Province--Corn (Maize)) (MIRA 11:10)

PRECEDENTS AND PROPERTIES INDEX																									
1ST AND 2ND CODES													3RD AND 4TH CODES												
<p>Ca</p> <p>Preparation of potassium permanganate by oxidation with air. V. I. Volokova, <i>Zhurnal Khim. 11, 181 (1945)</i>. Heat 400 g. of KOH soln. to boiling in a cast-iron vessel, force compressed air into the boiling soln. through a glass tube reaching almost to the bottom of the vessel and simultaneously through a Bichner funnel inverted over the liquid (this facilitates mixing of the soln. and prevents losses of KOH due to spattering). Add 400 g. of pyrolusite in small portions to the soln. After the mass thickens, discontinue the passing of air through the glass tube. Further heating transforms the melt into powder. Ignite the powder for 3 hrs., passing air continuously through the Bichner funnel, cool, treat with hot water in a current of CO₂, filter, and evaporate to obtain KMnO₄ crystals or use it directly as KMnO₄ soln.</p> <p>W. R. Henn</p>																									
<p>ASM-AIA METALLURGICAL LITERATURE CLASSIFICATION</p>																									
<p>1ST AND 2ND CODES</p>																									
<p>3RD AND 4TH CODES</p>																									

1ST AND 2ND ORDERS		3RD AND 4TH ORDERS	
PROCESSES AND PROPERTIES INDEX			
<p>Preparation of oxalic acid from dextrin. V. L. Volskova. <i>Zavodskaya Lab.</i> 11, 481(1915).--Add slowly with mixing 800 ml. of HNO_3 (d. 1.20) to 100 g. of dextrin in a 1-l. porcelain beaker and filter through a funnel with glass wool. Add 0.1 g. of $\text{H}_2\text{V}_2\text{O}_8$ to the clear filtrate, heat until brown vapors of N oxides appear, and place the beaker in cold water to prevent the decomn. of $(\text{CO}_2\text{H})_2$ formed. Conc. the soln. by slow evapn. (without decomng the acid), cool, filter the $(\text{CO}_2\text{H})_2$ crystal. formed through a Buchner funnel, wash cake with small portions of water, and dry. Conc'n. of the mother liquor yields an addnl. quantity of $(\text{CO}_2\text{H})_2$. The yield of $(\text{CO}_2\text{H})_2$ is approx. 80%. W. R. Henn</p>			
ASTM-A METALLURGICAL LITERATURE CLASSIFICATION			
FROM SYMBOLS		FROM SYMBOLS	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	

POLAND / Physical Chemistry. Kinetics. Combustion. B
Explosions. Topochemistry. Catalysis.

Abs Jour: Ref Zhur-Khimiya, No 21, 1958, 70142.

Author : Krause, Vol'sky, Dankevich.

Inst : Not given.

Title : The Catalytic Oxidation of As_2O_3 by Air Oxygen in the Presence of $Mn(OH)_2$.

Orig Pub: Roczn. Chem., 1957, 31 No 3, 783 - 791.

Abstract: It was demonstrated that $Mn(OH)_2$ catalyzes effectively the oxidation of As_2O_3 by air oxygen at $18^\circ C$. The effect of various parameters upon this system has been investigated. The pH of the system has a great influence upon the reaction velocity. $Co(OH)_2$ and $Cu(OH)_2$ promote the above reaction of $Mn(OH)_2$.

Card 1/1

VOLSKY

POLAND / Physical Chemistry. Kinetics, Combustion,
Explosions, Topochemistry, Catalysis.

B

Abs Jour: Ref Zhur-Khimiya, No 16, 1958, 53016.

Author : Krause, ~~Volsky~~, Svetlyak.

Inst : Not given.

Title : Cuprous Oxide Activity in Regard to a Catalytic
Mutation.

Orig Pub: Roczn. chem., 1957, 31, No 2, 413-419.

Abstract: In the decomposition of H_2O_2 the catalytic activity
of pure Cu_2O (I) was investigated as well as that
of a I used as a carrier for the series of ions;
 $[Fe(CN)_6]^{4-}$, Fe^{3+} , WO_4^{2-} , Co^{2+} , Al^{3+} , Ni^{2+} . It

Card 1/2

S.C. 4.

and Materials

VolSKY, I.G.

Examination of the loading of tyres (into boats).
by VolSKY and V. A. Sokolov (Kavchuk i Rezina,
No. 1, 84; Rev. Gén. Caout., Doc. Anal.,
No. 22, 51).—A special device is described de-

signed to remove tyres from the depot to the boats
on which they are to be loaded. An inclined plane
and an air cable are utilised. 7542

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VOL'SON, I.; KOROLEV, M.

Use of an electronic calculating machine in planning and accounting for labor and wages. *Biul.nauch.inform.: trud i zar.plata*
no.11:26-33 '59. (MIRA 13:5)

(Electronic calculating machines)
(Moscow--Automobile, Industry--Accounting)

Dist. Abs.

Processes occurring in the sintering of zinc phosphate cement.
V. F. Zhuravlev, S. I. Yalov and B. I. Shvetsov (*J. appl. Chem.*,
U.S.S.R., 1958, 31, 118-120).—The influence of temp. (1100—
1250°) on ZnO, MgO, CaO, and SiO₂, the binary systems ZnO-MgO,
ZnO-SiO₂, ZnO-CaO, ternary systems ZnO-MgO-SiO₂, ZnO-MgO-
CaO, ZnO-CaO-SiO₂, and a quaternary system ZnO-MgO-CaO-SiO₂,
without and with mineralizers has been studied. Both optical and
X-ray analysis prove that at these temp. willemite (Zn₂SiO₄) is
formed. A solid solution of ZnO in MgO is also formed, which may
contain up to 25-30 wt.-% of ZnO. The unit cell of ZnO increases
from 4.268 for pure MgO to 4.288 Å. for a calcined mixture of
MgO 80 and ZnO 20%. Cement powder obtained after calcining
consists of the following phases: (1) ZnO; (2) solid solution of ZnO
in MgO; (3) small quantity of Zn₂SiO₄; and (4) small quantities
of other components of secondary importance. At temp. investigated
partial fusion, coarsening, and settling of ZnO crystals occurs,
especially in presence of SiO₂. Mineralizers have a great effect in
this respect, especially cryolite (2) and the mixture of cryolite (1)
and borax (1%); they also make possible the lowering of the sintering
temp. by 100-150°. Compressive strength of the cement con-
taining mineralizers increases by more than 100%, and generally the
cement is of much better quality than one without mineralizers.
J. B. J. ZANA.

VOL'SOV, V.P., inzh.; IVAN'KO, T.Ya, inzh.

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(Foundations)
(Frozen ground)

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"Pathologic Anatomy in cases of Poisoning by Caustic Soda" by Ye. Ye. Vol'sova, Chair Forensic Medicine (Chief Prof. V. F. Chervakov), First Moscow Ord Lenin Med. Inst. pp. 57-76

SO: Luchshiye Nauchnyye Raboty Aspirantov (Best Scientific Work of Aspirants) Submitted at Medical Higher Educational Institution and Sci Res Inst. Published by Medgiz, Moscow, 1951. Edited by Prof. A. G. Gukasyan. Armed Forces Med Lib WB 5 G 969L 1951

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1. Ustav pro peci o matku a dite, Praha-Podoli, reditel doc. dr. M.Vojta.
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(GYNECOLOGY)

VOITAY, B.; HITNER, I.

Pneumococcal peritonitis. Acta med. hun. 15 no.1:375-380 '60.

1. I. Kinderklinik der Medizinischen Universität, Budapest.
(PNEUMOCOCCAL INFECTIONS in inf. & child)
(PERITONITIS in inf. & child)

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Kindergarten outbreak of an exanthematous disease caused by
Echovirus type 9. Acta paediat. acad. sci. Hung. 5 no.2:235-
239 '64.

1. Inszulo Central Hospital for Infectious Diseases (Director:
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VOLTAY, Bela, Dr. GECK, Peter, Dr. OSVATH, Pal, Dr. BACKHAUSZ, Richard, Dr. LOSONCZY, Gyorgy, Dr. VIGH, Gyula, Dr. BOGNAR, Szilard, Dr; Capital City Council, Laszlo Hospital, National Public Health Institute and Human Vaccine Producing and Research Institute (Fovarosi Tanacs, Laszlo Korhaz, Orszagos Kozegeszsegugyi Intezet es Human Oltoanyagtermelo es Kutato Intezet).

"Immune Fluorescence and Passive Hemagglutination Tests in Cases of Enterocolitis in Children."

Budapest, Orvosi Hetilap, Vol 104, No 21, 21 May 63, pages 975-978.

Abstract: [Authors' Hungarian summary modified] The shigella excretion of children with enterocolitis was determined by bacterial cultures of samples taken from the rectum as well as by microscopic examination of fecal smears, stained with fluorescent dyes which combine with the specific immune serum. Both methods gave rapid, and twice as frequent positive results as the usual bacteriological tests. The shigella antibody titer was elevated in the majority of cases where all diagnostic tests were negative. In the authors' opinion all bloody, mucous diarrhea of children should be considered as dysentery regardless of the bacterio-

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logical finding. The stool, should be screened by the immune fluorescence method. A positive test is indicative, while negative results do not necessarily exclude the presence of dysentery. 2 Eastern European, 15 Western references.

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TOTH, Margit; BARNA, Maria; VOLTAY, B.

Aetiology of acute respiratory diseases in infants and children.
Acta paediat. acad. sci. Hung. 6 no.3/4:367-374 '65.

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Submitted June 11, 1965.

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Liver biopsies in infant and childhood hepatitis. Orv.
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(LIVER CYTOLOGY) (LIVER CIRRHOSIS)
(BIOPSY)

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Therapy of supraventricular paroxysmal tachycardia by drugs
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közleménye.

(TACHYCARDIA, PAROXYSMAL, ther.

artif. hibernation & Rauwolfia alkaloids, in supraventricular
tachycardia (Hun))

(HIBERNATION, ARTIFICIAL, ther. use

tachycardia, paroxysmal, supraventricular (Hun))

(RAUWOLFIA ALKALOIDS, ther. use

same)